D&B ENGINEERS AND ARCHITECTS

330 Crossways Park Drive, Woodbury, New York 11797
516-364-9890 • 718-460-3634 • Fax: 516-364-9045 • www.db-eng.com

January 10, 2022

Liberty Utilities – Sea Cliff Operations District
PWS ID No. NY2902853
MCL Deferral for PFOA and PFOS
Quarterly Report – Fourth Quarter 2021

Introduction

On behalf of Liberty Utilities (LU), formerly New York American Water (NYAW), D&B Engineers and Architects (D&B) has prepared this document in accordance with the requirements of the New York State Department of Health (NYSDOH) for public water suppliers who have been granted deferrals from maximum contaminant level (MCL) violations for PFOA, and PFOS. The Sea Cliff Operations District was granted an MCL deferral for PFOA and PFOS in 2020 and granted an extension in 2021 for the last phase of construction ending in June 2022. Liberty Utilities was granted an extension to the original deferral for the Sea Cliff Operations District in December of 2021 due to its proactive efforts toward the implementation of treatment for these compounds.

The enclosed is a report describing Liberty Utilities' progress towards maintaining the highest quality of water for customers in the Sea Cliff Operations District and meeting the deadlines set forth in the deferral approval. The schedule for the project is contained in **Attachment A**.

Corrective Action Plan Milestones

Glen Head Station Granular Activated Carbon Project ("GAC")

The Glen Head Station GAC project is currently under construction. Completed plans were submitted to the Town of Oyster Bay's (TOB) Building Department and to the Nassau County Department of Health (NCDOH) in August of 2020. Liberty Utilities received approval for construction in January of 2021 after obtaining approval from the Zoning Board of Appeals. Approval from the NCDOH was received in March of 2021. In the interim, the contract was competitively bid and awarded.

Site work, concrete, plumbing/piping are at approximate 90% completion. The footings, foundations, slabs and concrete pads have been poured and approved by the TOB. Treatment vessels have been delivered to the site and underground piping has been finished with aboveground connecting piping installation currently underway. Before the vessels were delivered, extensive coordination with the vessel manufacturer, the crane operator, the electrical utility (PSEG) and Liberty Utilities had to be finalized. Liberty Utilities closely coordinated with PSEG in order to temporarily remove high voltage overhead wires; however, due to PSEG's tight summer schedule, the delivery was moved from July 2021 to September 16, 2021. Liberty Utilities and the contractor worked closely together to finalize all the steps necessary to clear the roads for a smooth equipment delivery on site. The GAC Vessels are connected to the system and are in working operation, however, not yet in service. Water quality sampling has been performed on the completed GAC system and a partial Engineer's Certification has been presented to the NCDOH. Liberty Utilities is currently awaiting the building wall and roof system

delivery to complete the project. These building materials have been heavily delayed due to a supply chain issue, therefore, the GAC system has been drained and winterized for the season to avoid freeze damage.

Every effort was made by Liberty Utilities to meet the December 2021 timeframe for project completion; however, delays related to scheduling and coordinating with PSEG, along with prolonged supply chain issues on building material, set the anticipated project schedule back by several months. Liberty Utilities has submitted and received approval of an updated deferral request with the NCDOH to account for these delays and set a new compliance timeline with a completion date of June 2022. All necessary public notification will be delivered when completed.

Although it has been granted a deferral, the Sea Cliff Operations District was able to minimize the usage of this well.

Public Notification

Liberty Utilities notified our north shore customers of a key construction milestone reached in Q4 2021. Liberty Utilities posted social content regarding the installation of four Granular Activated Carbon vessels to remove PFAS compounds from the source water. An update was also provided to elected officials for the area. Public notification regarding the presence and regulation of emerging compounds, as well as the deferral, was included in NYAW's 2020 Annual Water Quality Report/ Consumer Confidence Report. The report was posted on NYAW's website and publicized via newspaper ads and bill insert. In addition, LU has uploaded this quarterly report to their website at https://new-york-water.libertyutilities.com/all/residential/safety/glen-head-public-notification.html. Documentation of public notification is contained in **Attachment B**.

Analytical Sampling

Sample results for the well for which the deferral was granted (Glen Head Well PWS# NY2902853) taken during the fourth quarter of 2021 are contained in the table below. Full laboratory reports for each sample are contained in **Attachment C**.

Q4 2021 PFOA and PFOS Water Quality Monitoring Results (ng/L or ppt)

Sea Cliff OPS District (PWS# NY 2902853)					
Location	**Well ID #**	**Date Sampled**	**Lab Utilized**	**PFOA (ng/L)**	**PFOS (ng/L)**
Glen Head Well	N-05792	10/25/2021	Pace	3.3	8.8

ND = Non Detect.

Conclusion

As demonstrated above, Liberty Utilities is actively working to preserve the quality of water for its customers and comply with the requirements put forth by the NYSDOH. Liberty Utilities looks forward to continuing to work towards completion of its treatment facilities for the Sea Cliff Operations District.

Should you have any questions, please contact the undersigned at (516) 364-9890, Ext. 3401, or visit the website, https://libertyutilities.com/.

Very truly yours,

Philip Sachs, PE
Vice President

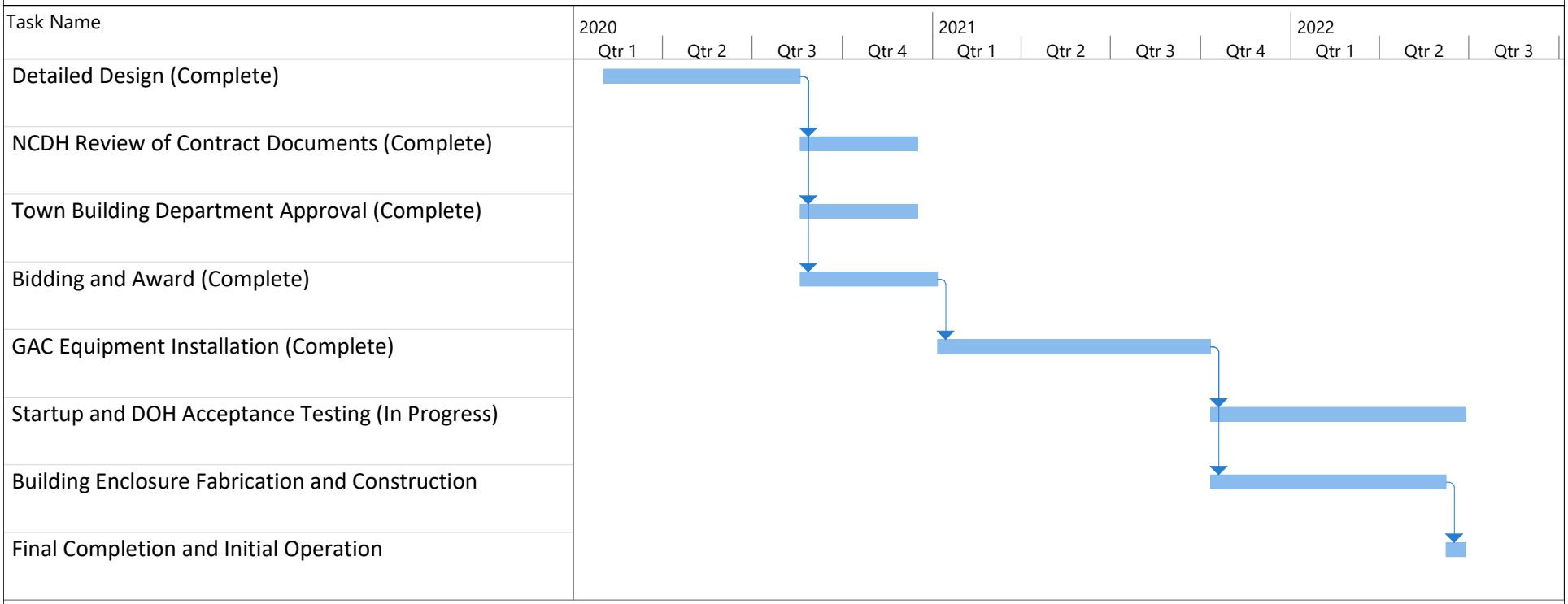
PRSt/kb
Enclosures
cc: K. Wheeler (NYSDOH)
B. Rogers (NYSDOH)
W. Provoncha (NCDH)
P. Young (NCDH)
R. Putnam (NCDH)
C. Alario (Liberty Utilities)
J. Kilpatrick (Liberty Utilities)
R. Fernandez (Liberty Utilities)
♦5446\PRS011022-LU Sea Cliff(R01)

ATTACHMENT A

MCL Deferral Project Schedule

New York American Water
Sea Cliff Operations District
MCL Deferral Extension Request

GAC System at the Glen Head Pump Station
Project Schedule



ATTACHMENT B

Public Notification Documentation

September 17, 2021

Dear Elected Official,

New York American Water has reached a key milestone in the construction of water treatment to meet the new New York State water quality standard for PFAS compounds.

On Thursday, four Granular Activated Carbon vessels were hoisted into position for the new PFAS treatment plant being constructed at our Glen Head Well in Glen Head. Each vessel contains 20,000 pounds of carbon, which will remove the trace amounts of PFAS compounds detected in the area's source water. This is an important step in constructing treatment for our North Shore customers. We anticipate that treatment will be online in Q1 2022.

Here are photos of yesterday's installation.

More information and quarterly updates on our progress to install treatment are available at www.nyamwater.com/water-quality/Emerging-Compounds/glen-head. If you have any questions, please reach out to my office.

Sincerely,

Lynda DiMenna
President, New York American Water

Tips, tools and technology to help customers conserve water are available at www.nyamwater.com/conservation

QUALITY. ONE MORE WAY WE KEEP LIFE FLOWING.

See what's happening on our social sites

New York American Water
Posted by Lee Mueller
22h ·

Important milestone for our North Shore customers! This morning, New York American Water lifted four Granular Activated Carbon vessels into place at our Glen Head Well. These vessels contain 20,000 pounds of carbon each, 80,000 pounds total, and will remove the trace amounts of PFAS compounds detected in the area's drinking water. This is an important step to meeting New York State's strict new drinking water standard for PFAS. Learn more: https://www.amwater.com/nyaw/water-quality/Emerging-Compounds/glen-head

ATTACHMENT C

Water Quality Data

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola

Lab No. : 70192275001
Client Sample ID.: N-05792

Federal ID : 2902853
Collected : 10/25/2021 11:30 AM Point N-05792
Received : 10/25/2021 03:05 PM Location Glen Head Well
Collected By CLIENT

Sample Comments:
Samples were received on the same day of collection on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

Analytical Method: EPA 120.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Specific Conductance	349		1	umhos/cm		10/31/2021 11:04	001 BP3U1/2

Analytical Method: EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Ca Hardness as CaCO3 (SM 2340B	47.4		1	mg/L		11/05/2021 11:18	001 BP4N1/1
Calcium	19.0		1	mg/L		11/05/2021 11:18	001 BP4N1/1
Iron	<0.020		1	mg/L	0.3	11/05/2021 11:18	001 BP4N1/1
Magnesium	6.6		1	mg/L		11/05/2021 11:18	001 BP4N1/1
Manganese	0.12		1	mg/L	0.3	11/05/2021 11:18	001 BP4N1/1
Sodium	50.4		1	mg/L		11/05/2021 11:18	001 BP4N1/1
Tot Hardness asCaCO3 (SM 2340B	74.8	N3	1	mg/L		11/05/2021 11:18	001 BP4N1/1
Zinc	<0.020		1	mg/L	5	11/05/2021 11:18	001 BP4N1/1

Analytical Method: EPA 300.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chloride	30.7		1	mg/L	250	11/04/2021 7:59 PM	001 BP3U1/2

Analytical Method: EPA 314.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perchlorate	<4.00		1	ug/L	18	11/17/2021 3:31 AM	

Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	3.7		5	mg/L	10	10/27/2021 1:40 AM	001 BP3U1/2
Nitrate-Nitrite (as N)	3.7		5	mg/L		10/27/2021 1:40 AM	001 BP3U1/2

Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	10/25/2021 11:00	001 BP3U1/2

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 10/28/2021 9:59 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.085		1	ug/L	1	10/28/2021 4:40 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	105%		1	%REC		10/28/2021 4:40 PM	001 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902853
Collected : 10/25/2021 11:30 AM Point N-05792
Received : 10/25/2021 03:05 PM Location Glen Head Well
Collected By CLIENT

Lab No. : 70192275001
Client Sample ID.: N-05792

Sample Comments:
Samples were received on the same day of collection on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		11/01/2021 7:05 PM	001 VG9C1/2
Bromoform	<0.50		1	ug/L		11/01/2021 7:05 PM	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Chloroform	<0.50		1	ug/L		11/01/2021 7:05 PM	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		11/01/2021 7:05 PM	001 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Dichlorodifluoromethane	<0.50		1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902853
Collected : 10/25/2021 11:30 AM Point N-05792
Received : 10/25/2021 03:05 PM Location Glen Head Well
Collected By CLIENT

Lab No. : 70192275001
Client Sample ID.: N-05792

Sample Comments:
Samples were received on the same day of collection on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

Ethylbenzene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Methyl-tert-butyl ether	<0.50	1	ug/L	10	11/01/2021 7:05 PM	001 VG9C1/2
Methylene Chloride	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Styrene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Tetrachloroethene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Toluene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Total Trihalomethanes (Calc.)	<0.50	1	ug/L	80	11/01/2021 7:05 PM	001 VG9C1/2
Trichloroethene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Trichlorofluoromethane	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Vinyl chloride	<0.50	1	ug/L	2	11/01/2021 7:05 PM	001 VG9C1/2
cis-1,2-Dichloroethene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
m&p-Xylene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
n-Butylbenzene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
n-Propylbenzene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
o-Xylene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
p-Isopropyltoluene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
sec-Butylbenzene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
tert-Butylbenzene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50	1	ug/L	5	11/01/2021 7:05 PM	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	82%	1	%REC		11/01/2021 7:05 PM	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	89%	1	%REC		11/01/2021 7:05 PM	001 VG9C1/2

Analytical Method: EPA 537.1 Prep Method: EPA 537.1 Prep Date: 11/03/2021 4:34 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	2.1	P4	1	ng/L		11/05/2021 5:30 PM	001 BP3T1/2
Perfluoroheptanoic acid	<1.9	P4	1	ng/L		11/05/2021 5:30 PM	001 BP3T1/2
Perfluorohexanesulfonic acid	8.1	P4	1	ng/L		11/05/2021 5:30 PM	001 BP3T1/2
Perfluorononanoic acid	<1.9	P4	1	ng/L		11/05/2021 5:30 PM	001 BP3T1/2
Perfluorooctanesulfonic acid	8.8	P4	1	ng/L	10	11/05/2021 5:30 PM	001 BP3T1/2
Perfluorooctanoic acid	3.3	P4	1	ng/L	10	11/05/2021 5:30 PM	001 BP3T1/2
Surr: 13C2-PFDA (S)	104%		1	%REC		11/05/2021 5:30 PM	001 BP3T1/2
Surr: 13C2-PFHxA (S)	101%		1	%REC		11/05/2021 5:30 PM	001 BP3T1/2
Surr: HFPO-DAS (S)	98%		1	%REC		11/05/2021 5:30 PM	001 BP3T1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola

Lab No. : 70192275001
Client Sample ID.: N-05792

Federal ID : 2902853
Collected : 10/25/2021 11:30 AM Point N-05792
Received : 10/25/2021 03:05 PM Location Glen Head Well
Collected By CLIENT

Sample Comments:
Samples were received on the same day of collection on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

Analytical Method: Field Method

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Field Temperature	16.1	N3	1	deg C		10/25/2021 11:30	001 BP4N1/1
Field pH	7.61	N3	1	Std. Units		10/25/2021 11:30	001 BP4N1/1

Analytical Method: SM22 2320B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Alkalinity, Total as CaCO3	31.3		1	mg/L		10/29/2021 8:56 PM	001 BP3U1/2

Analytical Method: SM22 4500-P E

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Orthophosphate as P	<0.050		1	mg/L		10/26/2021 5:27 PM	001 BP4U2/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902853
Collected : 10/25/2021 01:40 PM Point N-14340
Received : 10/25/2021 03:05 PM Location Well #1-A
Collected By CLIENT

Lab No. : 70192275002
Client Sample ID.: N-14340

Analytical Method: EPA 120.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Specific Conductance	43.3		1	umhos/cm		10/31/2021 11:05	002 BP3U1/2

Analytical Method: EPA 180.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Turbidity	<1.0		1	NTU	5	10/26/2021 5:53 PM	002 BP3U1/2

Analytical Method: EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Ca Hardness as CaCO3 (SM 2340B	6.5		1	mg/L		11/05/2021 11:19	002 BP4N1/2
Calcium	2.6		1	mg/L		11/05/2021 11:19	002 BP4N1/2
Iron	<0.020		1	mg/L	0.3	11/05/2021 11:19	002 BP4N1/2
Magnesium	1.4		1	mg/L		11/05/2021 11:19	002 BP4N1/2
Manganese	<0.010		1	mg/L	0.3	11/05/2021 11:19	002 BP4N1/2
Sodium	14.7		1	mg/L		11/05/2021 11:19	002 BP4N1/2
Tot Hardness asCaCO3 (SM 2340B	12.3	N3	1	mg/L		11/05/2021 11:19	002 BP4N1/2
Zinc	<0.020		1	mg/L	5	11/05/2021 11:19	002 BP4N1/2

Analytical Method: EPA 300.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chloride	3.7		1	mg/L	250	11/04/2021 8:40 PM	002 BP3U1/2

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 10/28/2021 9:59 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	10/28/2021 5:13 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		10/28/2021 5:13 PM	002 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902853
Collected : 10/25/2021 01:40 PM Point N-14340
Received : 10/25/2021 03:05 PM Location Well #1-A
Collected By CLIENT

Lab No. : 70192275002
Client Sample ID.: N-14340

1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Benzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		11/01/2021 7:31 PM	002 VG9C1/2
Bromoform	<0.50		1	ug/L		11/01/2021 7:31 PM	002 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Chloroform	<0.50		1	ug/L		11/01/2021 7:31 PM	002 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		11/01/2021 7:31 PM	002 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Dichlorodifluoromethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Methyl-tert-butyl ether	<0.50		1	ug/L	10	11/01/2021 7:31 PM	002 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Styrene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Tetrachloroethene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Toluene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Total Trihalomethanes (Calc.)	<0.50		1	ug/L	80	11/01/2021 7:31 PM	002 VG9C1/2
Trichloroethene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	11/01/2021 7:31 PM	002 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water Sea Cliff OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902853
Collected : 10/25/2021 01:40 PM Point N-14340
Received : 10/25/2021 03:05 PM Location Well #1-A
Collected By CLIENT

Lab No. : 70192275002
Client Sample ID.: N-14340

n-Propylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	11/01/2021 7:31 PM	002 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	81%		1	%REC		11/01/2021 7:31 PM	002 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	86%		1	%REC		11/01/2021 7:31 PM	002 VG9C1/2

Analytical Method: EPA 537.1 Prep Method: EPA 537.1 Prep Date: 11/03/2021 4:34 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.9		1	ng/L		11/05/2021 5:45 PM	002 BP3T1/2
Perfluoroheptanoic acid	<1.9		1	ng/L		11/05/2021 5:45 PM	002 BP3T1/2
Perfluorohexanesulfonic acid	<1.9		1	ng/L		11/05/2021 5:45 PM	002 BP3T1/2
Perfluorononanoic acid	<1.9		1	ng/L		11/05/2021 5:45 PM	002 BP3T1/2
Perfluorooctanesulfonic acid	<1.9		1	ng/L	10	11/05/2021 5:45 PM	002 BP3T1/2
Perfluorooctanoic acid	<1.9		1	ng/L	10	11/05/2021 5:45 PM	002 BP3T1/2
Surr: 13C2-PFDA (S)	102%		1	%REC		11/05/2021 5:45 PM	002 BP3T1/2
Surr: 13C2-PFHxA (S)	95%		1	%REC		11/05/2021 5:45 PM	002 BP3T1/2
Surr: HFPO-DAS (S)	93%		1	%REC		11/05/2021 5:45 PM	002 BP3T1/2

Analytical Method: Field Method

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Field Temperature	17.2	N3	1	deg C		10/25/2021 1:40 PM	002 VG9C1/2
Field pH	9.30	N3	1	Std. Units		10/25/2021 1:40 PM	002 VG9C1/2

Analytical Method: SM22 2320B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Alkalinity, Total as CaCO3	31.3		1	mg/L		10/29/2021 9:03 PM	002 BP3U1/2

Analytical Method: SM22 4500-P E

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Orthophosphate as P	0.13		1	mg/L		10/26/2021 5:35 PM	002 BP3U2/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

WorkOrder :
70192275

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Long Island

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

WorkOrder :
70192275

Laboratory Certifications

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

WorkOrder :
70192275

Laboratory Certifications

Pace Analytical Services National

Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

WorkOrder :
70192275

Additional Qualifiers

L1 - Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

WO#: 70192275

70192275

Sample Request Form
PUBLIC WATER SUPPLIER

Date: 10-25-21

Collected By: J. Palmer

Accepted By: [illegible] PACELI

Cooler Temp: 16.4 °C 10/25/21 15:05

☐ WELL OFF LINE _____

☑ WELL RUN TO SYSTEM _____

☑ YES ☐ NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: SCAW

Address: 60 Brooklyn Ave Merrick, NY 11566

Phone #: 516-632-2239

Attn: Natasha Nicla

Proj. # or (Name): —

Bill To: LYnors

Copies To: _____

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl_2	Field Readings pH/Temp	Analysis	Lab No.
10/25/21/1130	GW	GH well (N-05792)	TW	O	RO			PFC⊕1,4-Dioxane⊕Chlorides	
								⊕POC⊕Nitrate/Nitrite⊕Perchlorate	
						0.80	7.61 / 16.1	⊕WQP w/ortho	
1340		Well SC 1A (N-14340)						PFC⊕1,4-Dioxane⊕Chlorides⊕Turbidity	
						0.05	9.30 / 17.2	⊕Fe⊕POCS⊕WQP w/ortho	

Remarks:

Pace Analytical®

Sample Condition Upon Recei

WO# : 70192275

PM: JSA **Due Date: 11/08/21**

CLIENT: SCAW

Client Name: SCAW Project

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Thermometer Used: ~~TH091~~ TH176 Correction Factor: +0.1

Cooler Temperature(°C): 16.4 Cooler Temperature Corrected(°C): 16.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: BC 10/25/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☑ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☐ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC160347				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☐ Yes	☑ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

ENV-FRM-MELV-0024 01